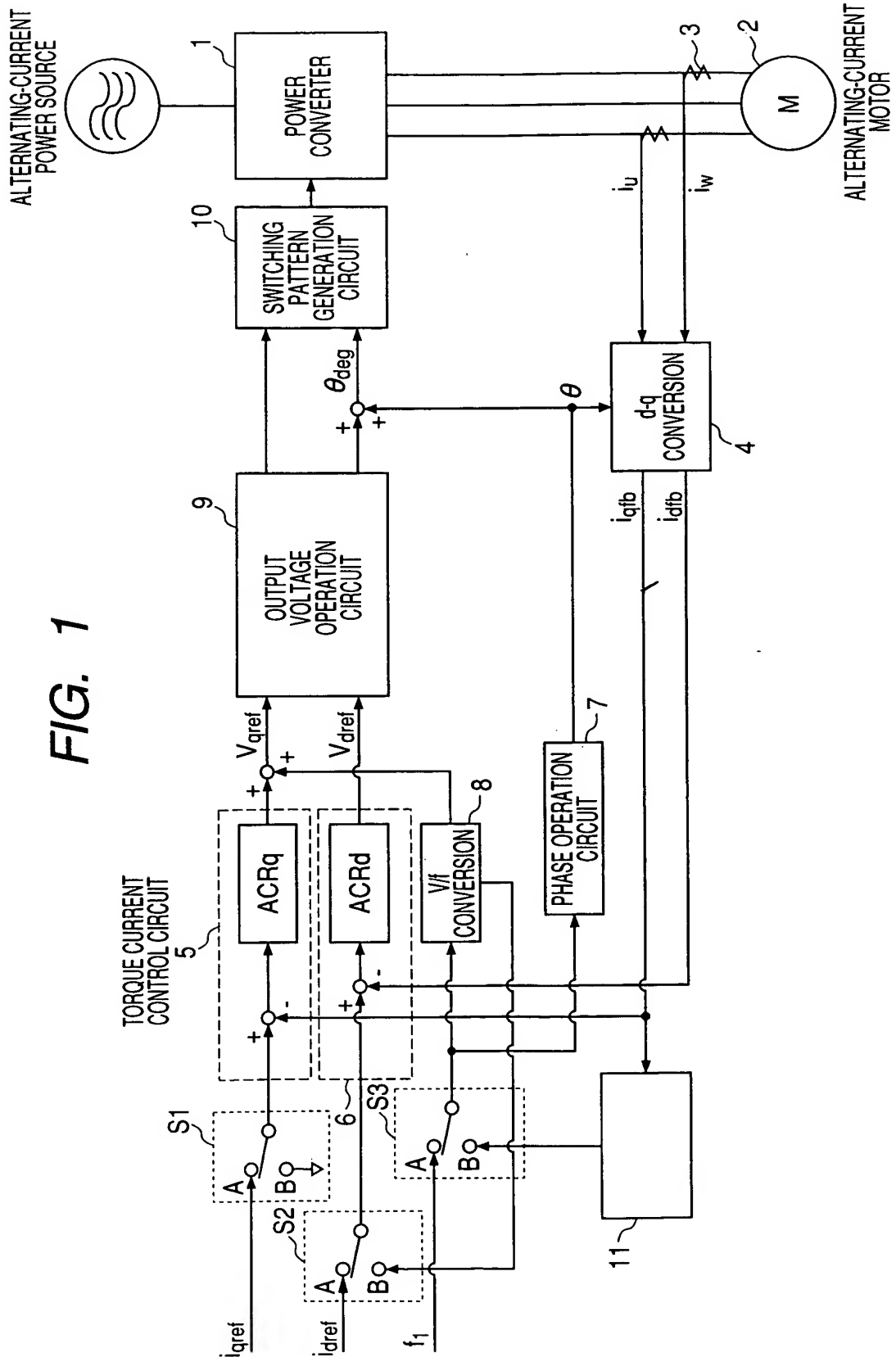




FIG. 1



SENSORLESS VECTOR CONTROL METHOD FOR
ALTERNATING-CURRENT MOTOR AND CONTROL
APPARATUS THEREFOR
REPLACEMENT SHEET

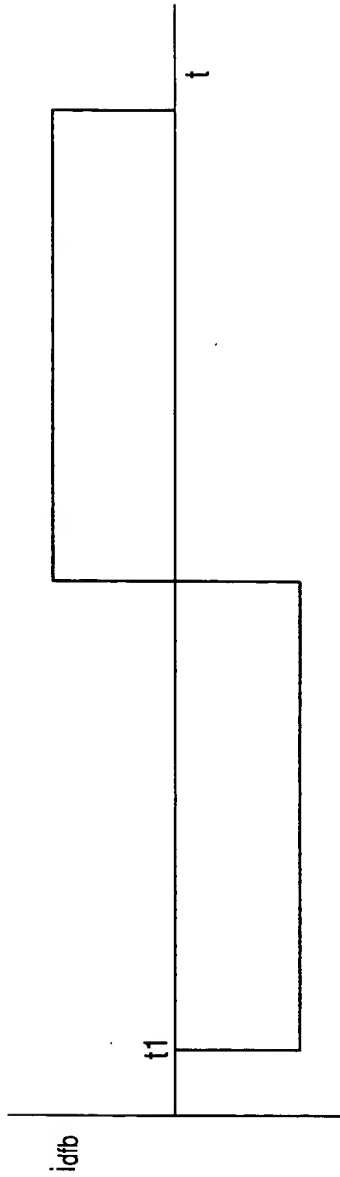


FIG. 2(a)

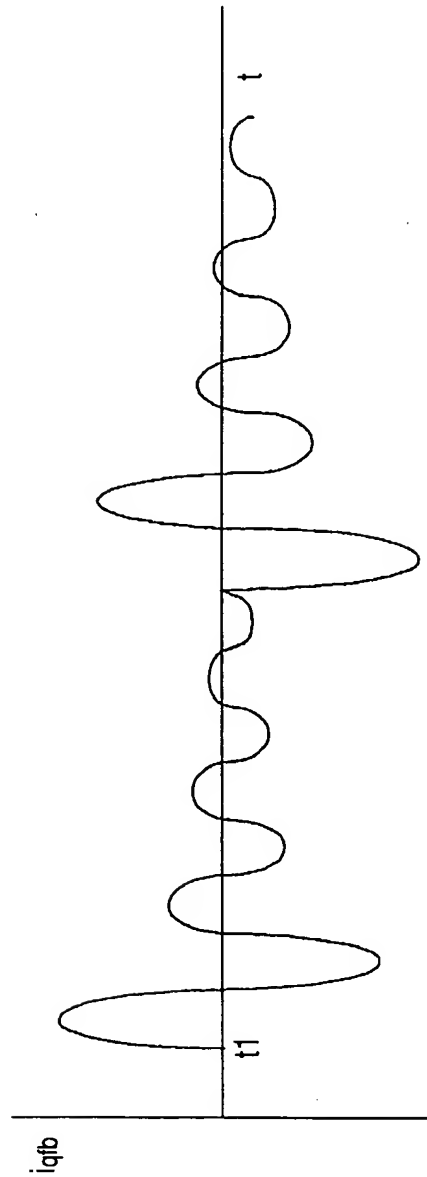


FIG. 2(b)

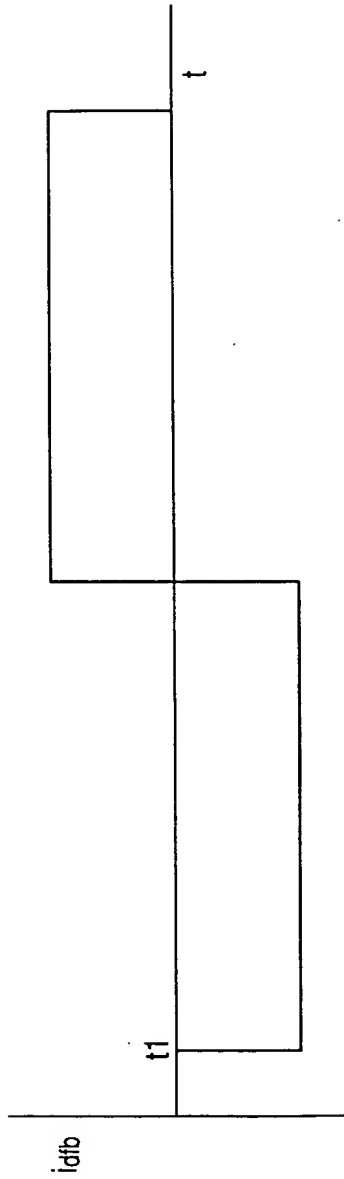


FIG. 3(a)

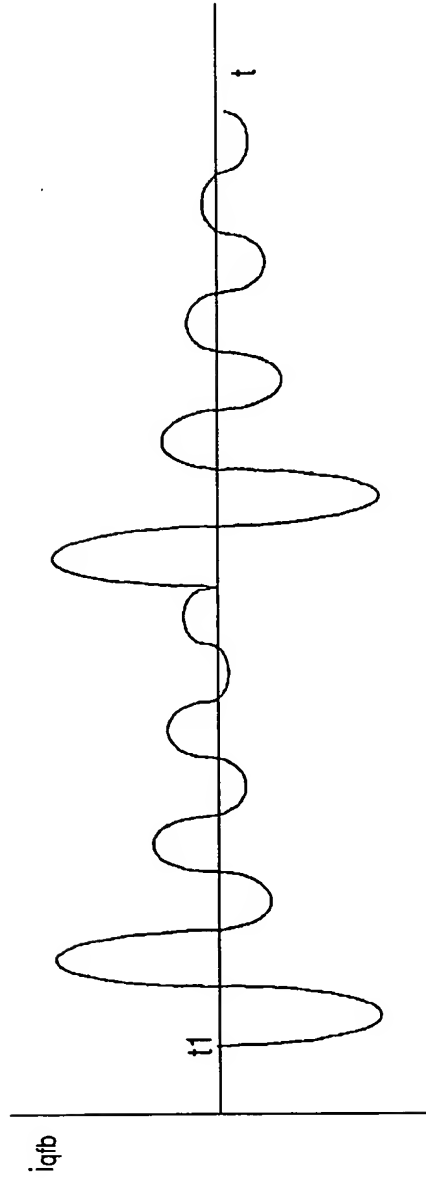


FIG. 3(b)

SENSORLESS VECTOR CONTROL METHOD FOR
ALTERNATING-CURRENT MOTOR AND CONTROL
APPARATUS THEREFOR
REPLACEMENT SHEET

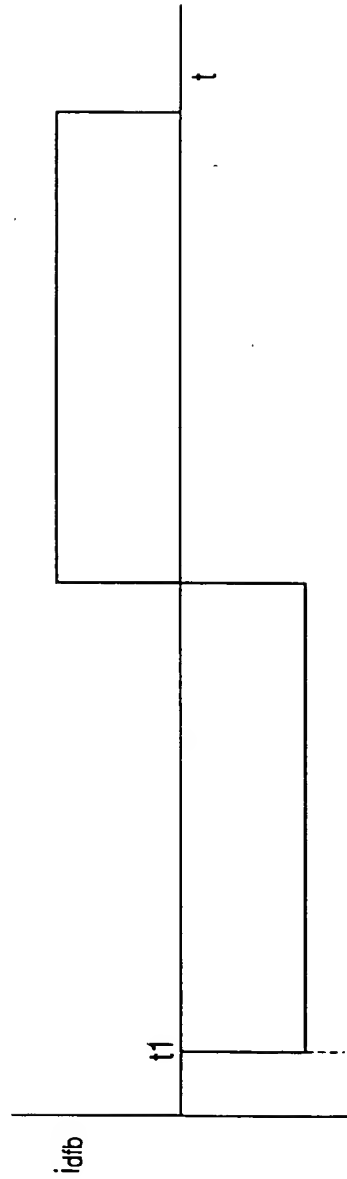


FIG. 4(a)

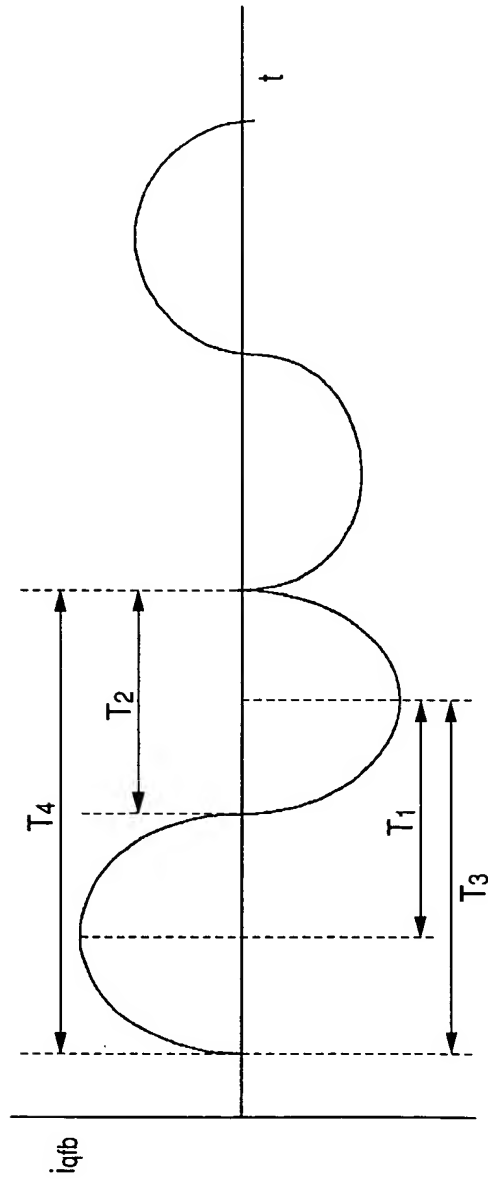


FIG. 4(b)

SENSORLESS VECTOR CONTROL METHOD FOR
ALTERNATING-CURRENT MOTOR AND CONTROL
APPARATUS THEREFOR
REPLACEMENT SHEET

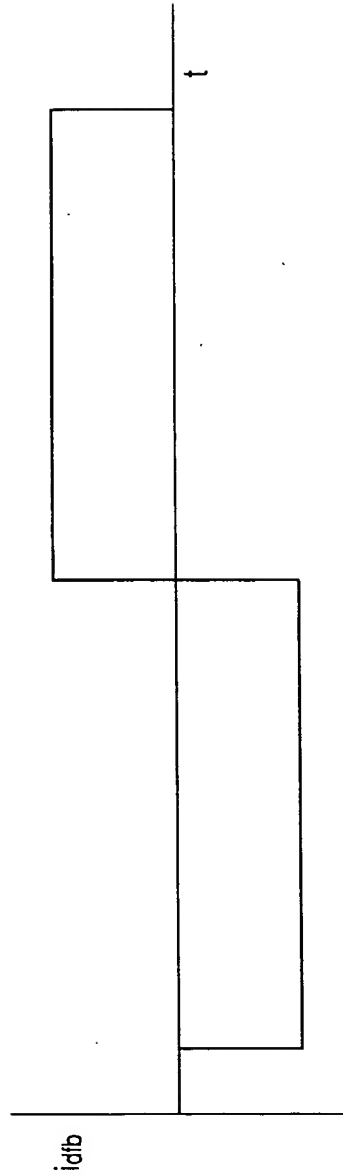


FIG. 5(a)

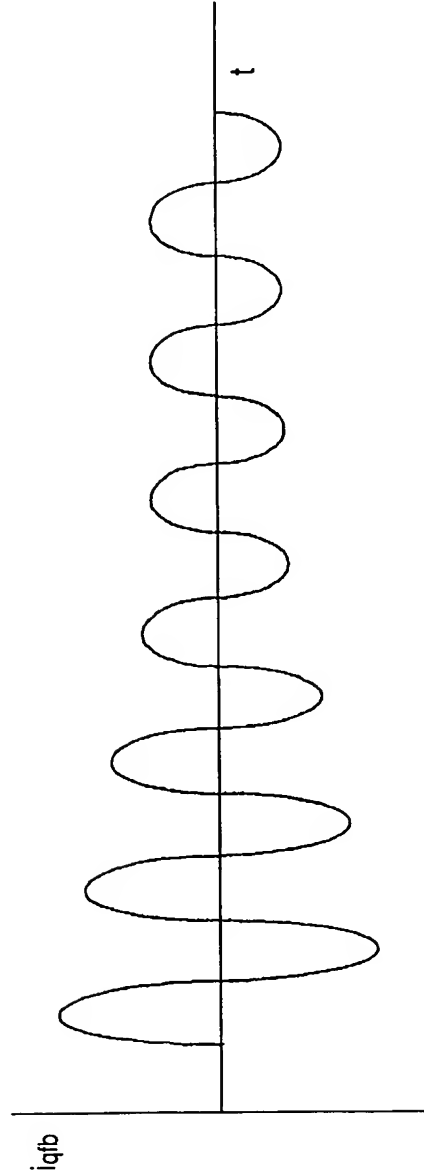
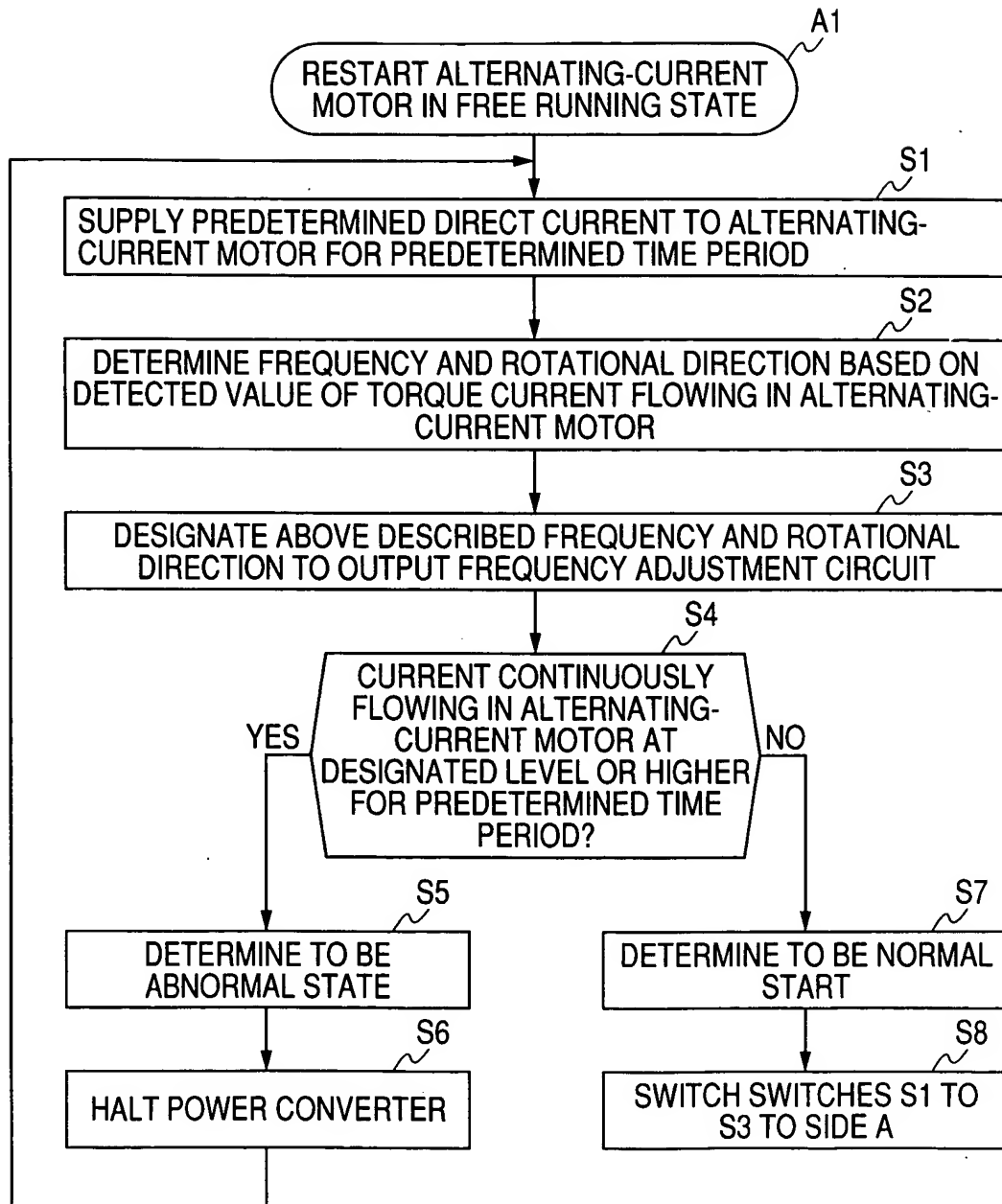


FIG. 5(b)



FIG. 6



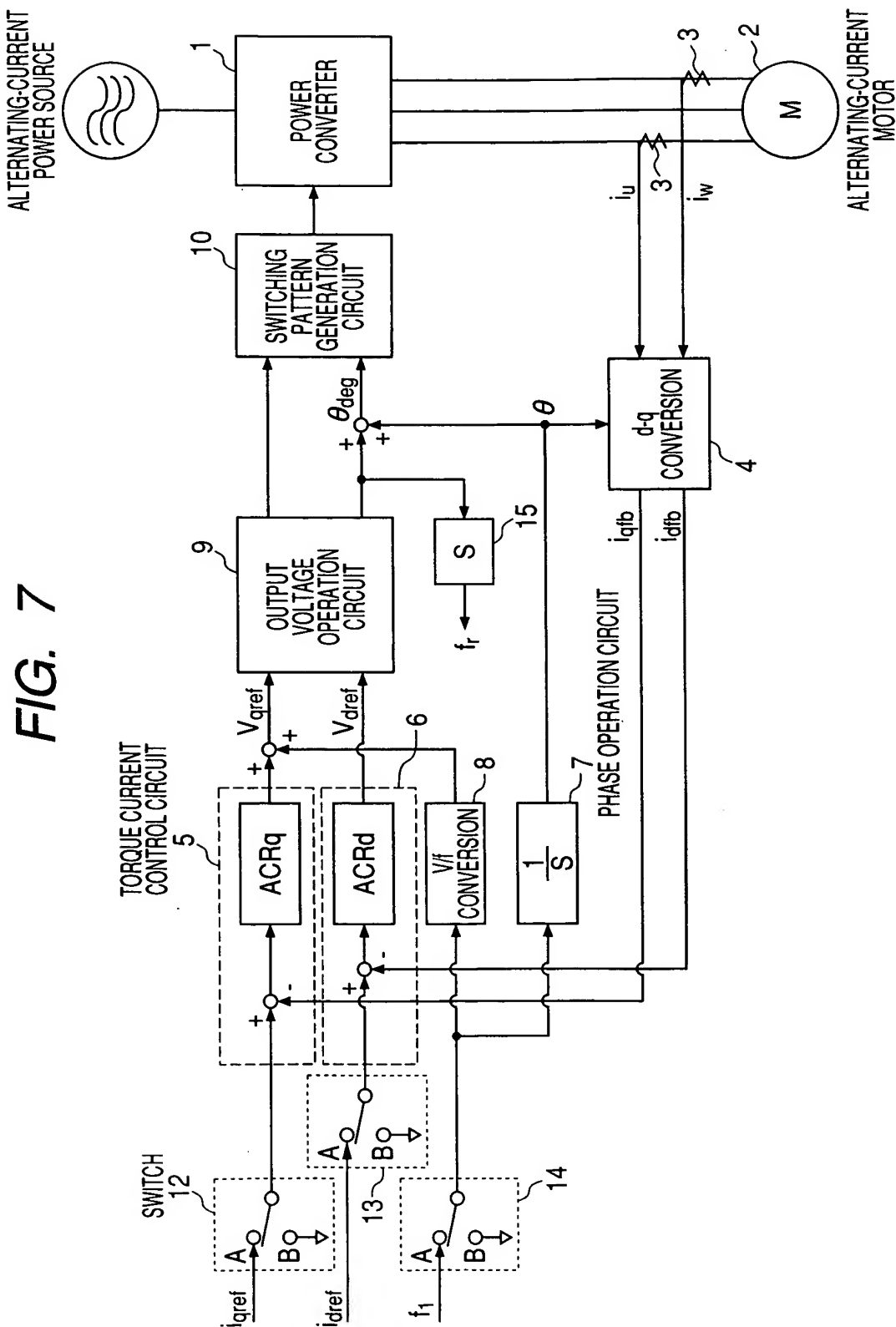
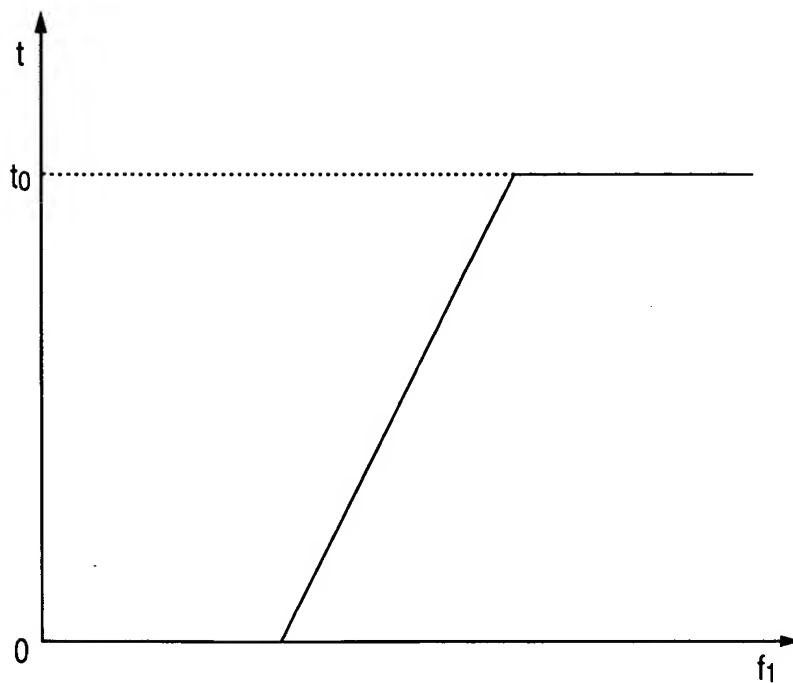


FIG. 7



FIG. 8



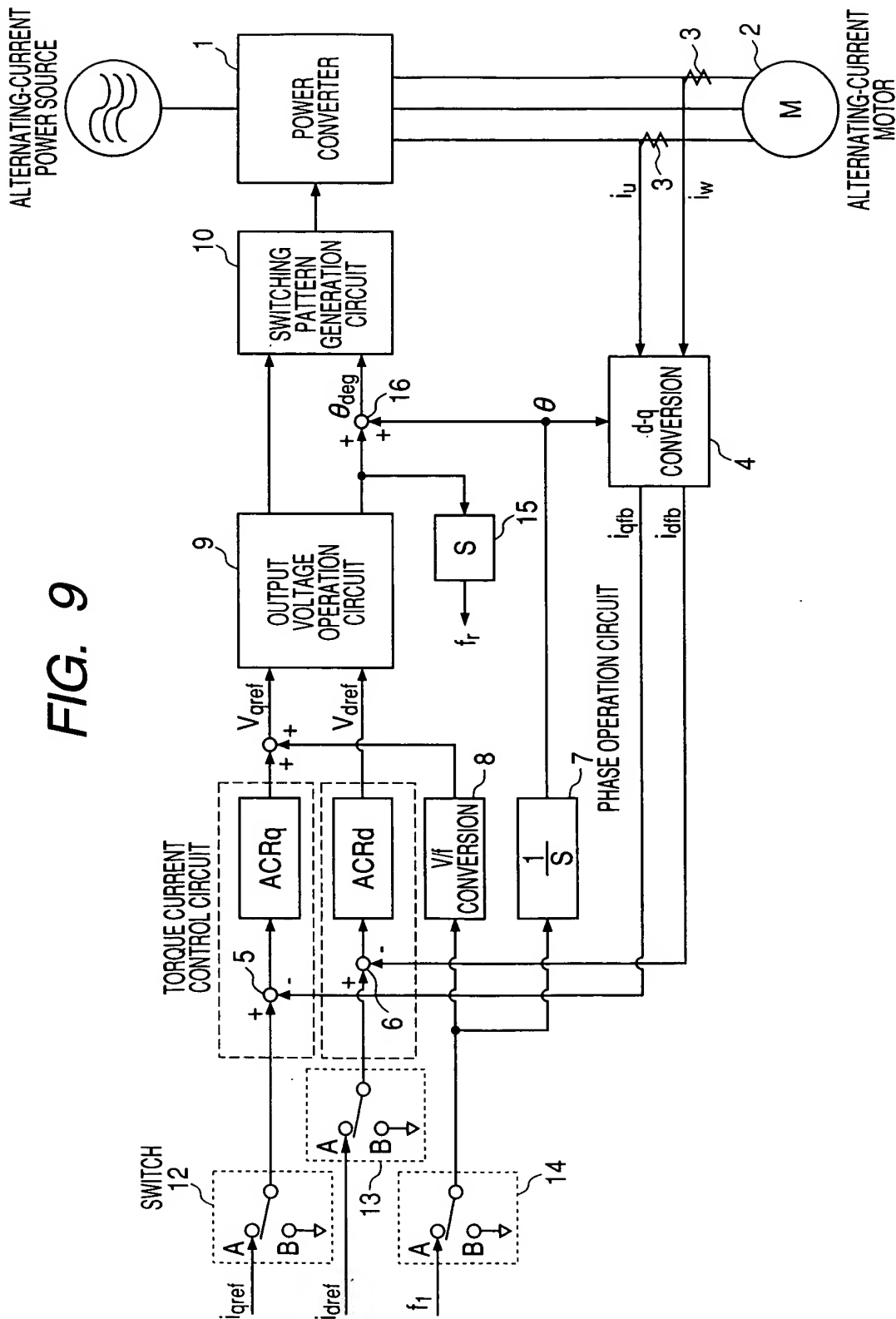




FIG. 10

